



United States Patent [19]
Araki et al.

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- [54] IMMUNOPOTENTIATING AND INFECTION
PROTECTIVE AGENT AND PRODUCTION
THEREOF

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0546870 6/1993 European Pat. Off. .

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OTHER PUBLICATIONS

- [21] Appl. No.: 09/060,329

Windholz et al., *The Merck Index*, 10th Ed. p. 83, abstract No. 600 (1983).

- [22] Filed: Apr. 15, 1998

The Merck Index, 10th Ed., Windholz et al., eds., abstract Nos. 8099 and 8100 (1983).

Related U.S. Application Data

- [62] Division of application No. 08/420,632, Apr. 12, 1995, Pat. No. 5,814,632, which is a division of application No. 08/204,333, filed as application No. PCT/JP92/01146, Sep. 9, 1992, abandoned.

W. Serfontein, "Composition for treating obstructive air passages—comprises xanthine bronchodilator" (1991).

- [30] **Foreign Application Priority Data**

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A61K 31/65; A61K 31/43

- [52] U.S. Cl. 514/251; 514/78; 514/152;
514/192; 514/315; 514/631

- [58] Field of Search 514/251, 78, 315,
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- [56]
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- [57]
- ABSTRACT**

An immunopotentiating and infection protective agent comprising riboflavin and/or a riboflavin derivative, which is safe for the human, animals or the like, an immunopotentiating and infection protective agent comprising riboflavin and/or a riboflavin derivative and (1) proline and/or glutamine, (2) an antibiotic, or (3) a water-soluble polymer or lecithin, which is safe for the human, animals or the like, and a process for the production thereof.

8 Claims, No Drawings